PARKING

DoorKing offers a complete line of products to control vehicular traffic into your parking areas. From barrier gate operators, to traffic control spikes to power backup systems, DoorKing can provide the complete solution for your parking control needs.

1610 WARNING SIGNS

PG.38

1602 BARRIER GATE

PG.34

FOR MORE INFORMATION VISIT:
DOORKING.COM/PC

1150
OVERHEAD GATE OPERATOR

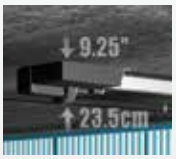
INDUSTRIAL STRENGTH **PARKING STRUCTURE** LOW PROFILE

The DKS 1150 overhead gate operator is designed for high traffic underground parking applications serving gated communities, apartment complexes, commercial buildings and industrial sites. This operator is not designed for residential applications and should never be used to operate overhead sectional garage doors.

Model 1150

Direct Drive Limit Switches

- Easily adjustable.
- Don't need to be reset after power outage.



Low Profile

- For low clearance underground parking.

Shock Mounts

- Greatly reduce noise and vibration.

Keyed Manual Release

- For heavy-duty trolly in case of power failure.

Plug-in loop detectors

- Simplify wiring and make installation easy.

Circuit Board

- Advanced microprocessor control board with built-in operator diagnostics.

Key Features:

- Low profile (only 9.25 inches *(234.9 mm)*) design makes the 1150 ideal for low clearance underground parking areas
- Operators available for gate heights of 8 *(2.4 m)*, 10 (3.04 m), 12 *(3.6 m)* and 14 feet *(4.2 m)*, up to 20 feet *(6.09 m)* wide
- Advanced microprocessor control board
- Ports for plug-in open and reverse loop detectors (DKS loop detectors only)
- Selectable loop function (stop or reverse)
- Direct driven limit nuts for precise gate control
- Auto-close timer 1-23 sec. Timer override feature helps prevent tailgating
- Gate tracker reporting output
- Keyed manual release
- Built-in power switch
- External obstruction sensing devices must be used with these operators

Apartment Complex/ Gated Communities

Commercial/ Industrial

Parking

Mixed Use Buildings

Self Storage

1601 | 1602
BARRIER GATE OPERATORS

PARKING CONTROL **BARRIER OPTIONS** THAT FIT ANY APPLICATION

The Model 1601 is for high usage single lane vehicular traffic control. Typical applications include commercial, industrial, gated communities and apartment complexes. A quick 1.5 second rotation opening time, along with rugged construction and multiple optional features make this 1601 a versatile answer to many parking control problems.

The Model 1602 is for limited use applications such as industrial sites and loading dock areas. The 1602 is used to control wide traffic lanes. The heavy-duty harmonic arm linkage assures smooth and accurate arm travel of 90º in approximately 5 seconds.

These operators are designed so that they can be mounted on either the left or right hand side of the roadway. The operators can be equipped with a DC convenience open package (optional) that will automatically raise the arm in the event of a power outage.

Model 1601

Model 1602

Model	Usage			Barrier Arm			Notes
	High Use Commercial	Limited Use Industrial	Cycle Time	Length	Type	Low Ceiling	Sequenced Spike Operation
1601	✓	✓	90° 1.5 Sec	14 Ft. *(4.26 m)*	Aluminum	Folding arm kit option available.	No
				14 Ft. *(4.26 m)*	Wood		
				12 Ft. *(3.65 m)*	Plastic		
1602		✓	90° 5.5 Sec	20 Ft. *(6.09 m)*	Wood	No	No
				20 Ft. *(6.09 m)*	Aluminum		
				24 Ft. *(7.31 m)*	Aluminum		
				27 Ft. *(8.22 m)*	Aluminum		

Automatic P.A.M.S.

- Automatic sequencing inputs for use with slide and swing gate operators.

Folding Arm Kits

- Wood or plastic arm folding bracket for low headroom.

Barrier Arm Options

- Round aluminum, flat wooden, and 12-foot *(3.65 m)* plastic arms.
- Foam padding for aluminum or wood arms.

Fan and Heater Kits

- Several options for extreme weather conditions.

Wishbone Style Three-piece

- Aluminum arms up to 27 feet *(8.22 m)* in length and wood arms up to 20 feet *(6.09 m)* in length.

Left or Right Hand Mount

- Operators are designed so that they can be mounted on either the left or right hand side of the roadway.

Key Features:

- Magnetic limit control.
- Ports for plug-in open and reverse loop detectors (DKS loop detectors only)
- Automatic sequencing inputs for use with slide and swing gate operators
- Up input memory buffer
- Down memory option
- Multiple up commands
- Two convenience outlets
- Gate tracker reporting output
- Programming switches
- Built-in power On/Off switch
- Left or right hand mount
- Fan/Heater Kits

Model 1601

- Single lane (14 ft. *(4.26 m)* max) vehicular traffic control
- High traffic commercial and industrial applications
- 1/2 HP continuous-duty motor
- 40:1 gear-box running in a continuous oil bath
- Arm rotates 90° in approximately 1.5 seconds
- 360° gear box rotation

Model 1602

- Wide traffic lanes up to 27-feet *(8.22 m)* wide
- Low use commercial and industrial applications
- Uses a counter-balanced three-piece wishbone style arm assembly, and is used with the extended arm barriers.
- 1 HP continuous-duty motor
- 60:1 gear-box running in a continuous oil bath
- Arm rotates 90° in approximately 5.5 seconds

Apartment Complex/ Gated Communities
Commercial/ Industrial
Parking
Mixed Use Buildings
Self Storage

1603 BARRIER GATE
AUTO SPIKE SYSTEM

Model 1603

FOR A **HIGHER DEGREE** OF TRAFFIC CONTROL

The DKS 1603 Barrier Gate Operator / Automated Spike System is designed as a modular system allowing for easy flexibility in different applications and easy installation. The 1603 operator is designed with many advanced features and mechanically links the spikes to the barrier arm. Ideal for parking lots, rental car agencies, schools, car dealerships, government agencies, or in any application where a higher degree of traffic control is preferred.

A typical system will require the 1603 operator, a drive extension, tunnel section(s) as needed, spike section(s) as needed, and an end cap. A traffic signal and/or warning sign is required with this system. Contact your professional DKS system installer, or DoorKing, for more information on complete system requirements.

Model	Usage			Barrier Arm			Notes
	High Use Commercial	Limited Use Industrial	Cycle Time	Length	Type	Low Ceiling	Sequenced Spike Operation
1603	✓	✓	90° 1.5 Sec	14 Ft. *(4.26 m)*	Aluminum	Folding arm kit option available.	Yes
				14 Ft. *(4.26 m)*	Wood	Folding arm kit option available.	

Automatic Sequencing

- When used in conjunction with slide or swing gate operators.

Surface Mount

- Spikes install easily without trenching and double as a speed bump.

Warning Sign

- Warning sign warns drivers to proceed only when spikes are retracted.

Fan and Heater Kits

- Several options for extreme weather conditions.

Retractable Spikes

- Available in 3 foot *(0.91 m)* sections.

Signal Light

- Signal light (red/green) is synchronized with the barrier arm.

Key Features:

- Magnetic limit control
- Ports for plug-in open and reverse loop detectors (DKS loop detectors only)
- Automatic sequencing inputs for use with slide and swing gate operators
- Up input memory buffer
- Down memory option
- Multiple up commands
- Two convenience outlets
- Gate tracker reporting output
- A traffic signal and/or warning sign is required with this system
- Programming switches
- Built-in power On/Off switch
- Left or right hand mount
- Fan/Heater Kits
- Spike sections are available in 3 foot *(0.91 m)* lengths
- Tunnel sections are available in 1.5 foot *(.46 m)* lengths
- 1/2 HP continuous-duty motor
- 40:1 gear-box running in a continuous oil bath
- Arm rotates 90° in approximately 1.5 seconds

Commercial/ Industrial

Parking

Maximum Security

TRAFFIC CONTROL

1610 WARNING SIGN & SIGNAL LIGHT

Warning signs and traffic signals are used with traffic control spikes and auto-spikes to inform drivers that a one way lane condition exist and that proceeding in the wrong direction, or before the spikes are fully retracted, will result in severe tire damage. Warning signs and/or traffic signals must always be used in any traffic control application utilizing traffic control spikes.

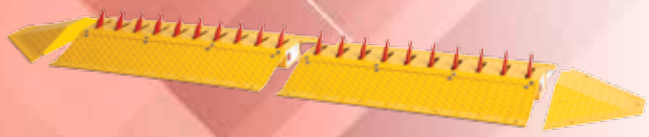
Key Features:

Warning Sign

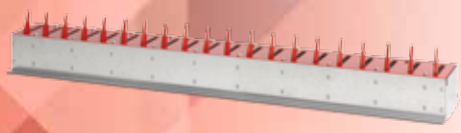
- Warning sign includes automatic light sensor
- Two 20-watt fluorescent bulbs
- Flood lamp to illuminate spikes
- Mounts on 3.5" *(88.9 mm)* post

Signal Light

- Red/Green traffic signal can be synchronized with most vehicular gate and barrier gate operators
- Large 8" *(203.2 mm)* red/green lenses
- 8000 hour bulbs



Surface Mount



Flush Mount

Speed Bumps

1610 STAND ALONE TRAFFIC SPIKES

Traffic control spikes are ideal for controlling traffic direction and speed through a controlled entry location. Traffic spikes prevent vehicles from proceeding through a traffic lane in the wrong direction by enforcing one-way traffic lanes. Speed bumps force drivers to slow down while driving through the controlled entry point. They are also ideal for keeping vehicular traffic at a safe speed while driving over traffic spikes. Warning sign MUST be installed with all traffic spikes.

Key Features:

Flush Mount

- Spring loaded or counter weight (non-spring) models available
- Each spike is independently spring loaded or weighted
- Available in 6' *(1.82 m)* sections
- Lock down option available

Surface Mount

- Modular system can accommodate any traffic lane width
- Spikes are ganged 3 and 4 spikes together
- Lock down allows for temporary two-way traffic
- Spike sections are available in 3 foot *(0.91 m)* sections

Speed Bump

- Solid composite material provides a long service life

Mixed Use Buildings | Commercial/ Industrial | Parking | Maximum Security | Self Storage

POWER INVERTER & BACK UP

NO POWER
NO PROBLEM

Power Backup

- To ALL access control system components.
- Converts 12 volt DC to 120 volt AC.

Electronic Control Circuit

- Monitors battery voltage while system is in inverter mode and commands gate operators to open when battery power reaches critical levels.

Model 2000

Key Features:

Model 1000

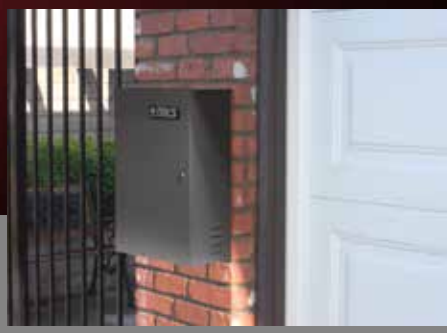
- 12.5 Amp maximum output
- Two models to choose from: Pure sine wave, or modified sine wave
- 1000 Watt output
- Battery charger during normal operation
- 120 VAC output voltage
- 21"H *(533.4 mm)* x 13"W *(330.2 mm)* x 8"D *(203.2 mm)*
- Cabinet contains room for two (2) 35 Ah Sealed Lead Acid (SLA) batteries
- Low battery alarm

Model 2000

- Six branch circuits
- 30 Amp maximum output
- Three models to choose from: 1500, 2400 and 3600 Watt models
- Modified sine wave output
- RMS voltage regulation
- Three stage battery charging
- Over-discharge protection
- 32-millisecond transfer time from charger to inverter mode
- 120 VAC output voltage
- Temperature compensation
- 41.25"H *(1,047.7 mm)* x 16.75"W *(425.4 mm)* x 15.25"D *(387.3 mm)*
- Cabinet contains room for two (2) deep cycle batteries (not included)

The DKS 2000 power inverter provides backup power for a complete vehicular access control system when primary (AC) power fails. The model 2000 can maintain operation for up to six (6) gated entry systems. Unlike other backup systems which are designed to power a single gate operator only, the Model 2000 maintains power to all access control system components.

The Model 1000 power inverter provides backup power for a single gated access control system when primary AC power fails by converting 12 volt DC power to 120 volt AC power. This capability maintains a completely operable access control system during power outages and brown outs and is ideal for residential and commercial applications with a single gate system.



Model 1000

Apartment/ College Residents Halls

Apartment Complex/ Gated Communities

Commercial/ Industrial

Parking

Maximum Security

Mixed Use Buildings

Residential

Self Storage

FOR MORE INFORMATION VISIT:
DOORKING.COM/1000-2000